REPORT ON RESEARCH PROJECTS for the FISCAL YEAR 1958-59

I.	Name Josh	nua Lederberg	Dept.	Genetics	Proj. No
	Title of p	roject <u>Ganeti</u>	cs of Baccer	·ia	
II.	Personnel:	Kitty D. Dunn Y. Hirota Ann Cook			
III.	Statement of other financial support, if any, for this project:				
		12,000 7,000			
	Brief statement of specific progress made during the year:				
	This project terminated January 31, 1959 with the resignation of Professor Lederberg.				
	The work done during the fall semester consisted mainly of a consolidation and completion of earlier experiments, and no particularly important new findings came to light. Preliminary evidence was obtained that the male substance of Escherichia coli is a maximum carbohydrate, and can be inactivated by oxidation with periodate. Crosses were started between E. coli and Salmonella typhimurium. A large number of Lac mutants, deficient in β-D-galactosidase were isolated and tested against one another. Most of these are distinct, 'point mutants', some behave like larger deficiencie and have been particularly useful in later studies of the gene-enzyme relationship.				
		ns that have appear 1959 Bacterial			1958 to June 30, 1959. unes 1957-58.
VI.	•	accepted for pub g 1959 Genes			ed:

A view of genetics. Les Prix Nobel 1958 (Stockholm).